

Abstract of the Invention

An ARQ method using Incremental Redundancy that can be used in either synchronous
5 or asynchronous communication systems. Information received by receiving equipment
contains a one-bit NEW/CONTINUE flag indicating whether the received information is
the beginning of new information or the continuation (or retransmission) of previously
transmitted information. An ACK message is transmitted by the receiving equipment
when such equipment receives information containing a NEW flag and successfully
10 decodes such information. The receiving equipment also transmits an ACK message
when it receives information containing a CONTINUE flag while it was waiting for
NEW information. Thus, the method of the present invention allows for relatively quick
recovery from misinterpretations of ACK/NACK messages and accommodates
subscribers having different transmission requirements.

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